

Fig.1

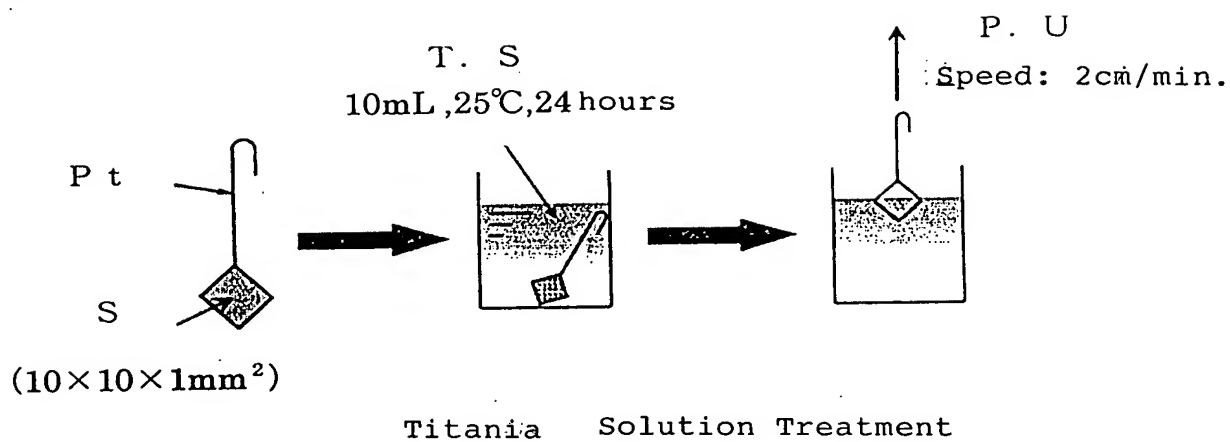


Fig.2

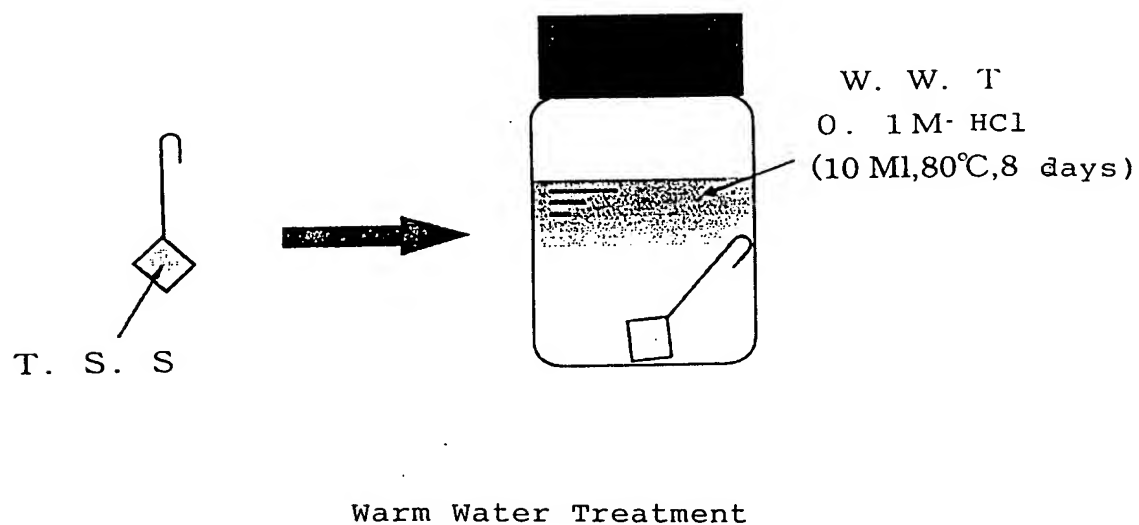
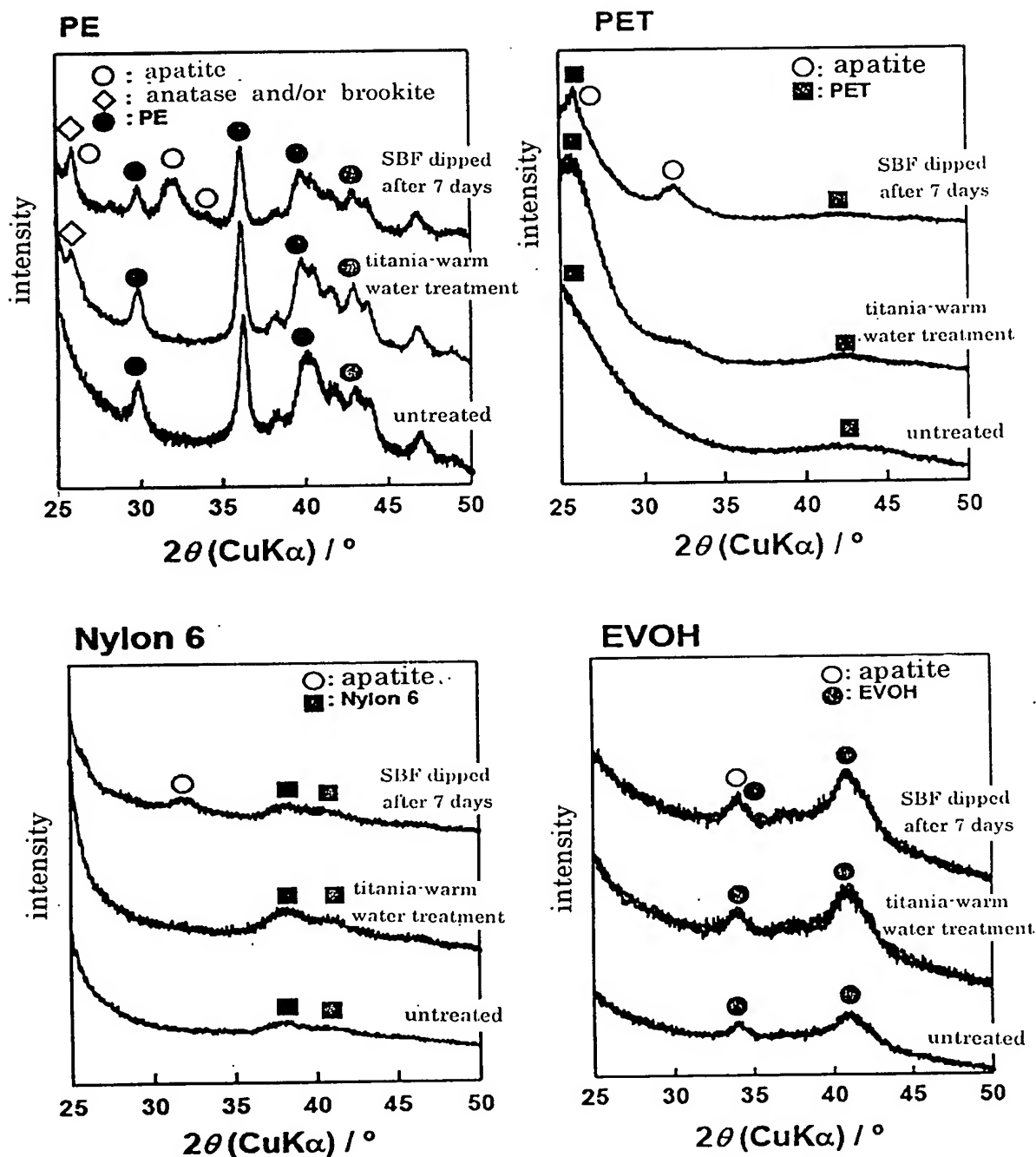


Fig.3



Thin film X-ray diffraction pattern of PE, PET, EVOH and Nylon 6 after treated by titania-warm water, then dipped in SBF for 7 days

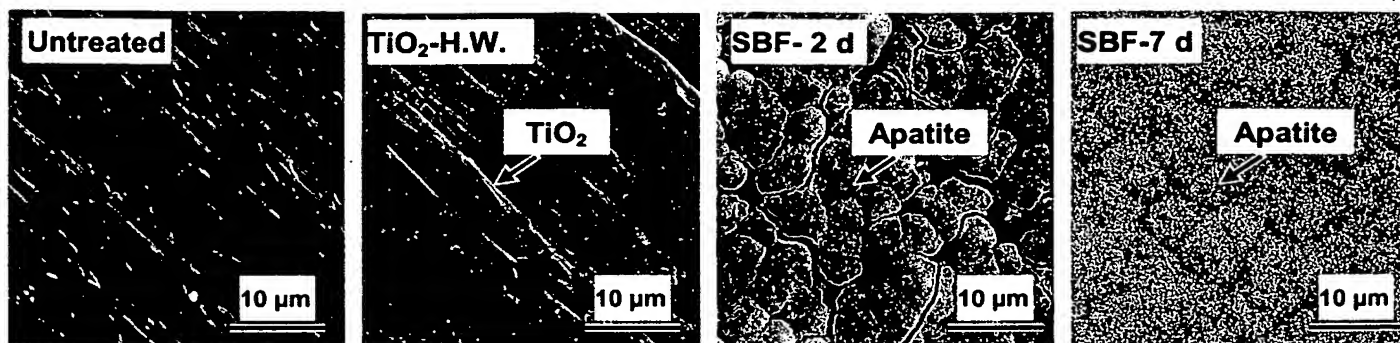
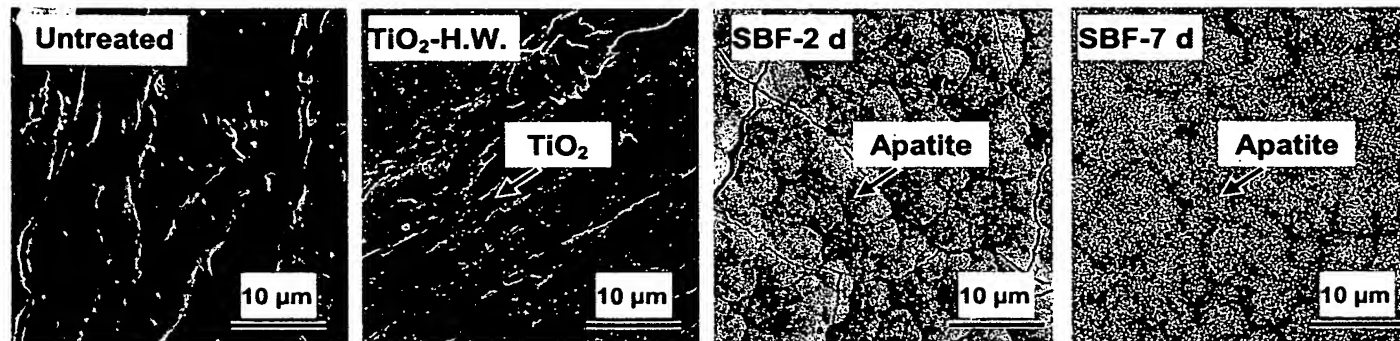
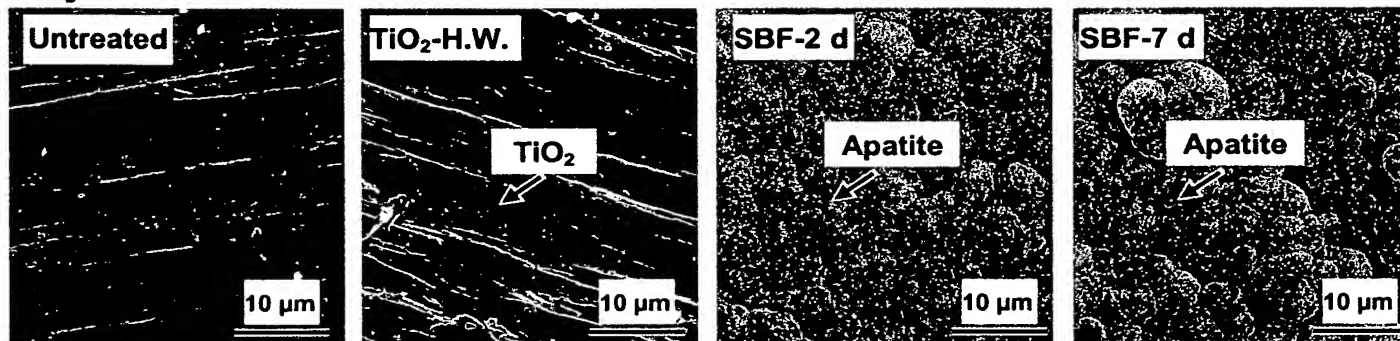
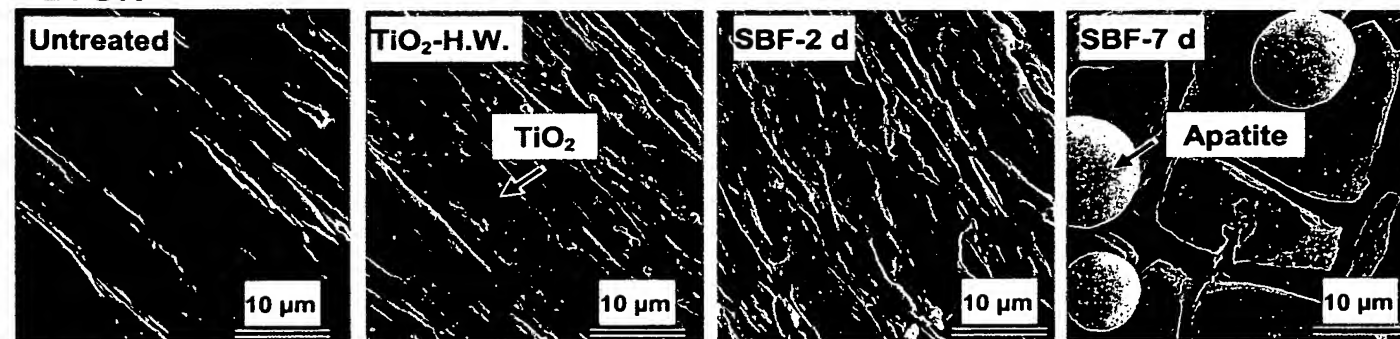
**PE****PET****Nylon 6****EVOH**

Fig. 4 FE-SEM photographs of the surfaces of PE, PET, Nylon 6 and EVOH treated with TiO<sub>2</sub> solution and hot water (H.W.) and subsequently soaked in SBF for 7 d.

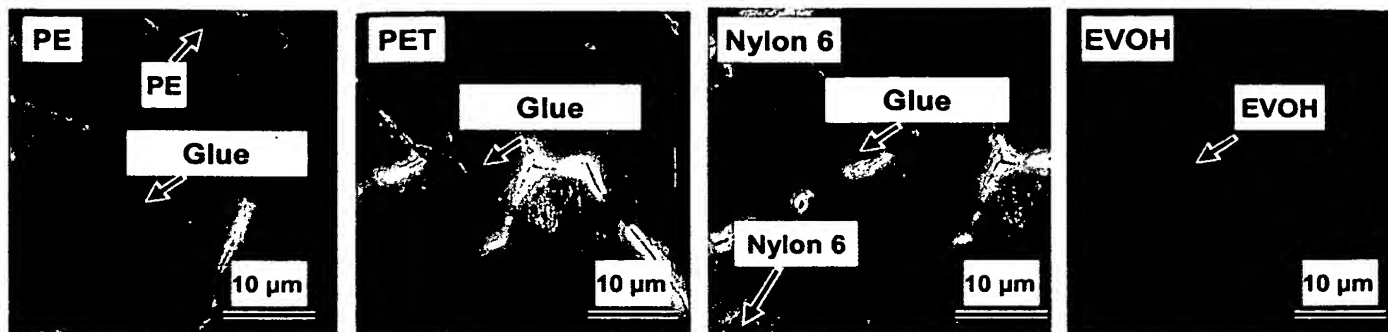


Fig. 5 FE-SEM photographs of the surfaces of samples after the peeling test with Scotch<sup>®</sup> tape (without silane-coupling treatment).